

FACILITY PERMIT TO OPERATE

**ARMSTRONG WORLD INDUSTRIES INC
5037 PATATA ST
SOUTH GATE, CA 90280**

NOTICE

IN ACCORDANCE WITH RULE 206, THIS PERMIT TO OPERATE OR A COPY THEREOF MUST BE KEPT AT THE LOCATION FOR WHICH IT IS ISSUED.

THIS PERMIT DOES NOT AUTHORIZE THE EMISSION OF AIR CONTAMINANTS IN EXCESS OF THOSE ALLOWED BY DIVISION 26 OF THE HEALTH AND SAFETY CODE OF THE STATE OF CALIFORNIA OR THE RULES OF THE SOUTH COAST AIR QUALITY MANAGEMENT DISTRICT. THIS PERMIT SHALL NOT BE CONSTRUED AS PERMISSION TO VIOLATE EXISTING LAWS, ORDINANCES, REGULATIONS OR STATUTES OF ANY OTHER FEDERAL, STATE OR LOCAL GOVERNMENTAL AGENCIES.

Barry R. Wallerstein, D. Env.
EXECUTIVE OFFICER

By _____
Mohsen Nazemi, P.E.
Deputy Executive Officer
Engineering & Compliance

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

TABLE OF CONTENTS

Section	Description	Revision #	Date Issued
A	Facility Information	8	10/14/2010
B	RECLAIM Annual Emission Allocation	20	01/01/2012
C	Facility Plot Plan	TO BE DEVELOPED	
D	Facility Description and Equipment Specific Conditions	21	01/18/2012
E	Administrative Conditions	10	10/14/2010
F	RECLAIM Monitoring and Source Testing Requirements	8	10/14/2010
G	Recordkeeping and Reporting Requirements for RECLAIM Sources	9	10/14/2010
H	Permit To Construct and Temporary Permit to Operate	15	03/15/2011
I	Compliance Plans & Schedules	5	10/14/2010
J	Air Toxics	2	10/14/2010
K	Title V Administration	2	10/14/2010
Appendix			
A	NOx and SOx Emitting Equipment Exempt From Written Permit Pursuant to Rule 219	5	10/14/2010
B	Rule Emission Limits	2	10/14/2010

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: BULK MATERIALS UNLOADING/CONVEYING					
UNLOADING ARM, TANK TRUCK, PVC A/N: C31097	D1	C151		PM: (9) [RULE 405, 2-7-1986]	D323.1
STORAGE SILO, NO. 1, HOMOPOLYMER, 300,000 POUNDS A/N: C31097	D2	C4		PM: (9) [RULE 405, 2-7-1986]	D323.2
STORAGE SILO, NO. 2, COPOLYMER, 300,000 POUNDS A/N: C31097	D3	C204		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, 200 SQ.FT. A/N: C34334	C4	D2		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.1, E102.1, H23.5, K67.2
CONVEYOR, PNEUMATIC A/N: 466825	D219			PM: (9) [RULE 405, 2-7-1986]	C1.1, D323.1, K48.1
BIN, SURGE, 126 CU.FT., HOMOPOLYMER, (FILTER #13), WITH 30 CARTRIDGES, 324 SQ. FT. TOTAL FILTER AREA, PULSE-JET CLEANING A/N: 466825	D6			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, C1.1, D322.1, D381.1, E184.1, H23.5, K48.1, K67.2
BIN, SURGE, 126 CU.FT., COPOLYMER, FILTER (#14), WITH 30 CARTRIDGES, 324 SQ.FT. FILTER AREA, PULSE-JET CLEANING A/N: 466825	D7			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, C1.1, D322.1, D381.1, E184.1, H23.5, K48.1, K67.2
FEEDER, VINYL BAG LOADING/UNLOADING STATION A/N: 466825	D213	C212		PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	C1.1, D323.2, K48.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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Process 1: BULK MATERIALS UNLOADING/CONVEYING					
BIN, SURGE, NO. 1M, 60 SQ. FT. FILTER AREA, WITH FABRIC FILTER A/N: 466825	D11			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, C1.1, D322.1, D381.1, E184.1, K48.1, K67.2
BIN, NO. 2M, 60 SQ. FT. FILTER AREA, WITH FABRIC FILTER A/N: 466825	D12			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, D322.1, D381.1, E184.1, H23.5, K48.1, K67.2
BIN, SURGE, NO. 1T, 60 SQ. FT. FILTER AREA, WITH FABRIC FILTER A/N: 466825	D13			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, C1.1, D322.1, D381.1, E184.1, H23.5, K48.1, K67.2
BIN, NO. 2T, 60 SQ. FT. FILTER AREA, WITH FABRIC FILTER A/N: 466825	D14			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, C1.1, D322.1, D381.1, E184.1, H23.5, K48.1, K67.2
BIN, SURGE, 3M, 60 SQ. FT. FILTER AREA, WITH FABRIC FILTER A/N: 466825	D214			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, C1.1, D322.1, D381.1, E184.1, H23.5, K48.1, K67.2
DUST COLLECTOR, FLEXICON, MODEL NO. BV-SBOT-X, 1 CARTRIDGES, 10 IN DIA. X 1 FT 6 IN H., 50 SQ. FT. TOTAL FILTER AREA, WITH PULSE JET CLEANING SYSTEM, 0.5 H.P. BLOWER A/N: 466823	C212	D213		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, H23.5, K67.2
BIN, TIPPER, SHOVEL-IN A/N: 466826	D15	C135		PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.2, K48.1

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| * (1) (1A) (1B) Denotes RECLAIM emission factor
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(7) Denotes NSR applicability limit
(9) See App B for Emission Limits | (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements |
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions* And Requirements	Conditions
Process 1: BULK MATERIALS UNLOADING/CONVEYING					
HOPPER, DUMP, SHOVEL-IN, WITH A DUST COLLECTOR/RECEIVER #15, 30 CARTRIDGES, 450 SQ. FT. TOTAL FILTER AREA, AND A PULSE-JET CLEANING SYSTEM A/N: 466826	D16			PM: (9) [RULE 404, 2-7-1986; RULE 405, 2-7-1986]	A63.1, C1.2, D322.1, D381.1, H23.5, K48.1, K67.2
FEEDER, VINYL BAG LOADING/UNLOADING STATION A/N: 466826	D215			PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.1, K48.1
CONVEYOR, VIBRATING A/N: 466826	D216			PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.1, K48.1
CONVEYOR, SCREW, ENCLOSED A/N: 466826	D217			PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.1, K48.1
CONVEYOR, SCREW, ENCLOSED A/N: 466826	D218			PM: (9) [RULE 405, 2-7-1986]	C1.2, D323.1, K48.1
STORAGE SILO, LIMESTONE, 9368 CU. FT. CAPACITY A/N: 430224	D17	C19 C30 C32		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
UNLOADING ARM, TANK TRUCK, LIMESTONE A/N: 430224	D18	C19		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
BAGHOUSE, 812 SQ.FT. A/N: 430224	C19	D17 D18		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, E184.1, H23.5, K67.2
CONVEYOR, BELT, LIMESTONE, TO FRESH SCALE A/N: 430225	D28	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT, LIMESTONE, TO FRESH SCALE A/N: 430225	D29	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2

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| <ul style="list-style-type: none"> * (1) (1A) (1B) Denotes RECLAIM emission factor (3) Denotes RECLAIM concentration limit (5) (5A) (5B) Denotes command and control emission limit (7) Denotes NSR applicability limit (9) See App B for Emission Limits | <ul style="list-style-type: none"> (2) (2A) (2B) Denotes RECLAIM emission rate (4) Denotes BACT emission limit (6) Denotes air toxic control rule limit (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.) (10) See section J for NESHAP/MACT requirements |
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Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 1: BULK MATERIALS UNLOADING/CONVEYING					
BAGHOUSE, IN SURGE BIN, 1200 CU FT, FURNISH LINE LIMESTONE, NO. 22, 104 CARTRIDGES, 1852 TOTAL FILTER AREA, WITH PULSE JET CLEANING A/N: 430225	C30	D17		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, H23.5, K67.2
WEIGH STATION, FURNISH LINE, WITH SCALE & CONVEYOR A/N: 430225	D31	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, IN SURGE BIN, 130 CU FT., MOTTLE LINE LIMESTONE, 64 CARTRIDGES, 1140 SQ. FT. TOTAL FILTER AREA, WITH PULSE JET CLEANING SYSTEM A/N: 430225	C32	D17		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, H23.5, K67.2
WEIGH STATION, MOTTLE LINE, WITH SCALE A/N: 430225	D33	C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
FEEDER, POLYVINYL BUTYRAL, AUTOMATIC BAG UNLOADING STATION A/N: 430225	D194			PM: (9) [RULE 405, 2-7-1986]	D323.1
BAGHOUSE, ROTO LINE LIMESTONE, 812 SQ.FT. A/N: INACTIVE	C34	D175		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, H23.5, K67.2
BAGHOUSE, ROTO LINE COPOLYMER, 224 SQ.FT. A/N: INACTIVE	C35	D176		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.1, E102.1, H23.5, K67.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 1: BULK MATERIALS UNLOADING/CONVEYING					
BAGHOUSE, ROTO LINE HOMOPOLYMER, 224 SQ.FT. A/N: INACTIVE	C36	D177		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.1, E102.1, H23.5, K67.2
CONVEYOR, LIMESTONE A/N: A35391	D159			PM: (9) [RULE 405, 2-7-1986]	D323.1
HOPPER, LIMESTONE A/N: INACTIVE	D175	C34		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, COPOLYMER A/N: INACTIVE	D176	C35		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, HOMOPOLYMER A/N: INACTIVE	D177	C36		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, SMALL VINYL HOLDING A/N: 361850	D199	C132		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, SMALL VINYL HOLDING, A/N: 361850	D200	C132		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, TILE LINE COLOR A/N: 361850	D201	C132		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, TIPPER, MOTTLE LINE, & DISCHARGE CONVEYOR A/N: 430227	D202	C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, 3 FT 8 IN W. X 3 FT 8 IN L. X 8 FT H., U.S. FILTRATION INC., MODEL 55-BVPS-84-6, PULSE-JET, U.S. FILTRATION, 275 SQ.FT.; 25 BAGS A/N: 392361	C204	D3		PM: (9) [RULE 404, 2-7-1986]	A63.1, D12.1, D322.1, D381.2, E102.1, H23.5, K67.2
Process 2: MIXING					
MIXER, NO. 1, 21 CU FT CAPACITY A/N: A35380	D37	C131 C133		PM: (9) [RULE 405, 2-7-1986]	D323.2

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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- (5) (5A) (5B) Denotes command and control emission limit
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- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 2: MIXING					
MIXER, NO. 2, 21 CU FT CAPACITY A/N: A35381	D38	C131 C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 3, 21 CU FT CAPACITY A/N: A35382	D39	C132 C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, MO. 4, 21 CU FT CAPACITY A/N: A35383	D40	C132 C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 5, 21 CU FT CAPACITY A/N: A35384	D41	C131 C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 6, 21 CU FT CAPACITY A/N: A35385	D42	C131 C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 7, 21 CU FT CAPACITY A/N: A35386	D43	C132 C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 8, 21 CU FT CAPACITY A/N: A35387	D44	C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 9, 21 CU FT CAPACITY A/N: A35388	D45	C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 10, 21 CU FT CAPACITY A/N: A35390	D46	C133		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, NO. 11, 21 CU FT CAPACITY A/N: 330092	D47	C133		PM: (9) [RULE 405, 2-7-1986]	C1.6, D323.2, K48.1
MIXER, FARREL A/N: 517204	D118	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
MIXER, BLENDER, EIRICH A/N: 517204	D120	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
MIXER, TYPE K, 100 GALS A/N: 330085	D168	C133		PM: (9) [RULE 405, 2-7-1986]	C1.6, D323.2, K48.1
CONVEYOR, BELT, MIXER FEED A/N: INACTIVE	D178	C137		PM: (9) [RULE 405, 2-7-1986]	D323.2
Process 3: FLOOR TILE MANUFACTURING					
CONVEYOR, PNEUMATIC, GRAPEFRUIT BIN A/N: 430227	D55	C132		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1

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(9) See App B for Emission Limits | (2) (2A) (2B) Denotes RECLAIM emission rate
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(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
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Process 3: FLOOR TILE MANUFACTURING					
MILL, ROLL, FURNISH LINE A/N: 431620	D56	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
MILL, ROLL, TILE LINE A/N: 431620	D57	C136		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CUTTER, SLITTER DICER, 50 HP A/N: 431620	D58	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, SCREW, SURGE HOPPER DISCHARGE A/N: 431620	D59	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, MILL DISCHARGE A/N: 431620	D60	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, DICER INFEED A/N: 431620	D61	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, DICER DISCHARGE A/N: 431620	D62	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, BLENDER FEED A/N: 431620	D63	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, BLENDER DISCHARGE A/N: 431620	D64	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, SURGE HOPPER INFEED A/N: 431620	D65	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, SIFTER FEED A/N: 431620	D66	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, SIFTER DISCHARGE A/N: 431620	D67	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
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Process 3: FLOOR TILE MANUFACTURING					
CONVEYOR, BELT, STEADMAN MILL DISCHARGE A/N: 431620	D68	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, LEAVING SIFTER A/N: 431620	D69	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
MIXER, JAEGER BLENDER, 243 CU.FT. A/N: 431620	D72	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
MIXER, JAEGER BLENDER, 243 CU.FT. A/N: 431620	D73	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
HOPPER, SURGE, FURNISH LINE A/N: 431620	D74	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
HOPPER, CAGE MILL A/N: 431620	D75	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
HOPPER, HEATER FEEDER & CONVEYOR A/N: 431620	D76	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
HOPPER, MILL CHUTE (TILE) A/N: 431620	D77	C136		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
HOPPER, REGRINDS & CONVEYOR A/N: 431620	D78	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2
BIN, SCRAP C A/N: 431620	D79	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
BIN, SCRAP D A/N: 431620	D80	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
BIN, REGRIND STATION A/N: 431620	D81	C133		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
BIN, FINES SYSTEM A/N: 431620	D82	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
FILTER, FINES SYSTEM PNEUMATIC CONVEYOR, 229 SQ.FT. A/N: 431620	C83	D90		PM: (9) [RULE 404, 2-7-1986]	A63.1, C1.3, D322.1, D381.1, E102.1, H23.5, K48.1, K67.2
BIN, TILTER REGRINDS & CONVEYOR A/N: 431620	D84	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
BIN, TILTER REGRINDS & CONVEYOR A/N: 431620	D85	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CHARGING WELL, GRANULATOR CHARGING CHUTE A/N: 431620	D89	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
MILL, GRANULATOR (STEADMAN) A/N: 431620	D90	C83 C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
MILL, ROLL, FIRST PASS (CALENDAR # 1) A/N: 431620	D91	C136		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
MILL, ROLL, (CALENDAR # 2) A/N: 431620	D92	C136		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CYCLONE A/N: 431620	C93	D94 D95		PM10: (9) [RULE 404, 2-7-1986]	A63.1, D323.1, H23.5
HEATER, CHIP, NATURAL GAS, (HEATER FEEDER, NORTH BURNER), 2.2 MMBTU/HR A/N: 431620	D94	C93 C136	NOX: PROCESS UNIT**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, D323.2, K48.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
HEATER, CHIP, NATURAL GAS, (HEATER FEEDER, SOUTH BURNER), 2.2 MMBTU/HR A/N: 431620	D95	C93 C136	NOX: PROCESS UNIT**	CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, D323.2, K48.1
HEATER, NO. 1, NATURAL GAS, 1.8 MMBTU/HR A/N: 431620	D96	C136	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, D323.2, K48.1
HEATER, NO. 2, NATURAL GAS, 1.3 MMBTU/HR A/N: 431620	D97	C136	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	C1.3, D323.2, K48.1
HOPPER, PETROLEUM RESIN, (BAG HANDLING SYSTEM) A/N: 517204	D99	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, SCRAP, (BIN TIPPER # 1) A/N: 517204	D100	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, SCRAP, (BIN TIPPER # 2) A/N: 517204	D101	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, SCRAP, (STABILIZER) A/N: 517204	D102	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, BAGHOUSE DUST, (DUST TIPPER) A/N: 517204	D103	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1

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|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
UNLOADING ARM, SCRAP DISCHARGING STATION, RETURN SCRAP A/N: 517204	D104	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
UNLOADING ARM, SCRAP DISCHARGING STATION, NO. 1 A/N: 517204	D105	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
UNLOADING ARM, SCRAP DISCHARGING STATION NO. 2 A/N: 517204	D106	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
UNLOADING ARM, SCRAP DISCHARGING STATION, BLENDER BYPASS A/N: 517204	D107	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
UNLOADING ARM, SCRAP DISCHARGING STATION, MIXER BYPASS A/N: 517204	D108	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
UNLOADING ARM, SCRAP DISCHARGING STATION, MILL BYPASS A/N: 517204	D109	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, PIGMENT A/N: 517204	D110	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, PIGMENT A/N: 517204	D111	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, PIGMENT A/N: 517204	D112	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, PIGMENT A/N: 517204	D113	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, STABILIZER, SCALE A/N: 517204	D114	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1

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| * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits | (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements |
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** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
WEIGH STATION, RESIN, SCALE A/N: 517204	D115	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, LIMESTONE, SCALE A/N: 517204	D116	C137 D228		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
BULK MATERIAL LOAD/UNLOAD STATION, BAG STATION, LIMESTONE, PURGING, LIMESTONE RECEIVER A/N: 517204	D117	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
MILL A/N: 517204	D119	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
CONVEYOR, BELT A/N: 517204	D121	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
CONVEYOR, BELT A/N: 517204	D122	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
CONVEYOR, BELT A/N: 517204	D123	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
CONVEYOR, BELT A/N: 517204	D124	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
CONVEYOR, BELT A/N: 517204	D125	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
CONVEYOR, BELT A/N: 517204	D126	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
GRINDER, SCRAP CHOPPER A/N: 517204	D127	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HEATER, FRONT ROLL EDGE, NATURAL GAS, 0.35 MMBTU/HR A/N: 517204	D128	C137	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D323.2

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|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
HEATER, NATURAL GAS, 0.26 MMBTU/HR A/N: 517204	D129	C137	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D323.2
HEATER, NATURAL GAS, 0.28 MMBTU/HR A/N: 517204	D130	C137	NOX: PROCESS UNIT**	CO: 2000 PPMV (5) [RULE 407, 4-2-1982]; NOX: 130 LBS/MMSCF NATURAL GAS (1) [RULE 2012, 5-6-2005]; PM: (9) [RULE 404, 2-7-1986]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D323.2
BAGHOUSE, NO. 1, 8 FT W. X 17 FT 6 IN L. X 15 FT 3/4 IN H., PANGBORN, MODEL TYPE CH, PULSE-JET, U.S. FILTRATION MODEL NO. 229-CKPT-120-SP, 2889 SQ.FT.; 180 BAGS A/N: 431618	C131	D37 D38 D41 D42 D198		PM: (9) [RULE 404, 2-7-1986]	A63.1, D12.1, D322.1, D381.2, E102.1, E193.1, H23.5, K67.2
BAGHOUSE, NO. 2, 8 FT W. X 17 FT 6 IN L. X 15 FT 3/4 IN H., PANGBORN, MODEL CH-3-67, PULSE-JET, U.S. FILTRATION MODEL NO. 229-CKPT-120-SP, 3109 SQ.FT.; 198 BAGS A/N: 361850	C132	D39 D40 D43 D48 D53 D54 D55 D163 D164 D165 D166 D181 D182 D189 D190 D199 D200 D201		PM: (9) [RULE 404, 2-7-1986]	A63.1, D12.1, D322.1, D381.2, E102.1, E193.1, H23.5, K67.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
BAGHOUSE, NO. 3, 7 FT 10 IN W. X 30 FT 1/4 IN L. 15 FT 3/4 IN H., SLY, MODEL TYPE "A" DYNACLONE, PULSE-JET, U.S. FILTRATION MODEL NO. 229-CKPT-1206-, 6218 SQ.FT.; 396 BAGS A/N: 361849	C133	D33 D37 D38 D39 D40 D41 D42 D43 D44 D45 D46 D47 D49 D81 D168 D202		PM: (9) [RULE 404, 2-7-1986]	A63.1, D12.1, D322.1, D381.2, E102.1, E193.1, H23.5, K67.2
BAGHOUSE, NO. 18, FLEX-CLEAN, MODEL 144WMWC-390 ARRIII, 180 FILTER BAGS, 7200 SQ.FT. FILTER AREA, PULSE-JET TYPE CLEANING A/N: 461978	C135	D15 D56 D58 D59 D60 D61 D62 D63 D64 D65 D66 D67 D68 D69 D72 D73 D74 D75 D76 D78 D79 D80 D82 D84 D85 D89 D90 D161 D162 D192 D193		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, E193.1, H23.5, K67.2
BAGHOUSE, NO. 4, 8 FT 4 IN W X 16 FT L X 15 FT H, WESTERN PRECIPITATION, MODEL MS-12-180, PULSE-JET TYPE, 3400 SQ.FT.; 180 BAGS A/N: 392407	C136	D28 D29 D31 D57 D77 D91 D92 D94 D95 D96 D97 D179 D180 D183 D184 D185 D186 D187 D188 D196 D197		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, E193.1, H23.5, K67.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
BAGHOUSE, NO. 19, FLEX-CLEAN, MODEL 144-WSWC-324, PULSE-JET CLEANING SYSTEM, 5967 SQ.FT.; 714 BAGS A/N: 408999	C137	D99 D100 D101 D102 D103 D104 D105 D106 D107 D108 D109 D110 D111 D112 D113 D114 D115 D116 D117 D118 D119 D120 D121 D122 D123 D124 D125 D126 D127 D128 D129 D130 D178 D205 D206 D207		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, E193.1, H23.5, K67.2
HOPPER, DUMP A/N: 430227	D48	C132		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
MILL, MOTTLE A/N: 430227	D49	C133		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
BIN, TILE CHIP, RECEIVING STATION, 64 CU.FT. A/N: 430227	D50			PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.1, K48.1
BIN, TILE CHIP, RECEIVING STATION, 64 CU.FT. A/N: 430227	D51			PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.1, K48.1
CRUSHER, SAW TOOTH A/N: 430227	D52			PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.1, K48.1
BIN, TILE CHIP, TILTER A/N: 430227	D53	C132		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
BIN, GRAPEFRUIT, 800 CU.FT., 8 COMPARTMENTS, FILTER (#24), 62 CARTRIDGES, TOTAL 1104 SQ.FT. FILTER AREA, PULSE-JET CLEANING A/N: 430227	D54	C132		PM: (9) [RULE 405, 2-7-1986]	A63.1, C1.4, D322.1, D381.2, H23.5, K48.1, K67.2
CONVEYOR, BELT, FOR WILLIAMS CRUSHER A/N: 431620	D161	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CRUSHER, WILLIAMS, 75 H.P. A/N: 431620	D162	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
HOPPER, RECEIVING, WITH SUPER SACK (TITANIUM DIOXIDE) A/N: 431620	D163	C132		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
WEIGH STATION, PIGMENT (TITANIUM DIOXIDE) A/N: 431620	D164	C132		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, SCREW FEEDER A/N: 431620	D165	C132		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, DISCHARGE A/N: 431620	D166	C132		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
HOPPER, DUMP, SCRAP SURGE, WITH FABRIC FILTER A/N: A11430	D179	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
HOPPER, DUMP, AGGREGATE WEIGH, WITH FABRIC FILTER A/N: A11430	D180	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SCRAP, WITH TILTER A/N: A11430	D181	C132		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT, FOR SURGE BIN A/N: A11430	D182	C132		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT A/N: A11430	D183	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2

- | | |
|--|--|
| * (1) (1A) (1B) Denotes RECLAIM emission factor
(3) Denotes RECLAIM concentration limit
(5) (5A) (5B) Denotes command and control emission limit
(7) Denotes NSR applicability limit
(9) See App B for Emission Limits | (2) (2A) (2B) Denotes RECLAIM emission rate
(4) Denotes BACT emission limit
(6) Denotes air toxic control rule limit
(8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
(10) See section J for NESHAP/MACT requirements |
|--|--|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
CONVEYOR, BELT A/N: A11430	D184	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT A/N: A11430	D185	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT A/N: A11430	D186	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT A/N: A11430	D187	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT A/N: A11430	D188	C136		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, SCRAP HYDRAULIC DUMP, 64 CU.FT. A/N: A11430	D189	C132		PM: (9) [RULE 405, 2-7-1986]	D323.2
CONVEYOR, BELT A/N: A11430	D190	C132		PM: (9) [RULE 405, 2-7-1986]	D323.2
SCREEN, CLASSIFYING, FINISH LINE SIFTER A/N: 431620	D193	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, LEAVING SIFTER A/N: 431620	D192	C135		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, TILE LINE SCRAP, #7 & SCRAP CHUTE A/N: 431618	D196	C136		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, FURNISH LINE A & SCRAP CHUTE A/N: 431618	D197	C136		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1
CONVEYOR, BELT, SCRAP, #8 A/N: 431618	D198	C131		PM: (9) [RULE 405, 2-7-1986]	C1.3, D323.2, K48.1

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 3: FLOOR TILE MANUFACTURING					
HOPPER, ACCURATE, MODEL NO. 1200-91-0503, TITANIUM OXIDE PIGMENT WITH A 2000 LBS SUPER-SACK A/N: 517204	D205	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
WEIGH STATION, TITANIUM OXIDE PIGMENT, SCALE A/N: 517204	D206	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
CONVEYOR, BELT, TITANIUM OXIDE PIGMENT A/N: 517204	D207	C137		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
BULK MATERIAL LOAD/UNLOAD STATION, BAG STATION, FLEXICON, MODEL BFC-C A/N: 517204	D227	D228		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
HOPPER, TYPE "D", MODEL NO. C36-X, 8 CU. FT. CAPACITY, WITH A FILTER SOCK A/N: 517204	D228	D116 D227		PM: (9) [RULE 405, 2-7-1986]	C1.7, D323.2, K48.1
Process 4: GRINDING					P20.1
BIN, STATION A/N: 517201	D145	C149		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, WEIGH, BAG LIFTING STATION A/N: 517201	D195			PM: (9) [RULE 405, 2-7-1986]	D323.1
BIN, STATION A/N: 517201	D146	C149		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, STATION A/N: 517201	D147	C149		PM: (9) [RULE 405, 2-7-1986]	D323.2
MILL, CAGE A/N: 517201	D148	C149		PM: (9) [RULE 405, 2-7-1986]	D323.2

- * (1) (1A) (1B) Denotes RECLAIM emission factor
- (3) Denotes RECLAIM concentration limit
- (5) (5A) (5B) Denotes command and control emission limit
- (7) Denotes NSR applicability limit
- (9) See App B for Emission Limits
- (2) (2A) (2B) Denotes RECLAIM emission rate
- (4) Denotes BACT emission limit
- (6) Denotes air toxic control rule limit
- (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
- (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: GRINDING					P20.1
BAGHOUSE, NO. 8, 4 FT W. X 8 FT 0.5 IN L. X 9 FT 11 IN W., SLY, MODEL 22, WITH 1 H.P. AUTOMATIC SHAKER, 1536 SQ.FT.; 64 BAGS A/N: 517202	C149	D140 D145 D146 D147 D148		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, H23.5, K67.2
BAGHOUSE, NO. 7, FLEX-KLEEN, MODEL 84-CT-46, PULSE-JET, 460 SQ.FT.; 46 BAGS A/N: 518893	C150	C143		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.1, E102.1, H23.5, K67.2
BAGHOUSE, NO. 11, SHAKER, 2150 SQ.FT.; 171 A/N: 235081	C151	D1 D142		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, H23.5, K67.2
MIXER, JAEGER BLENDER, 243 CU.FT. A/N: 517201	D138	C143		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
CYCLONE A/N: 517201	C143	D138 D139 C150 D224		PM: (9) [RULE 405, 2-7-1986]	D323.2
MIXER, JAEGER BLENDER, 243 CU.FT. A/N: 517201	D139	C143		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
CONVEYOR, BELT A/N: 517201	D140	C149		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
CONVEYOR, BELT A/N: 517201	D141	C226		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
CONVEYOR, BELT, (INCLINE) A/N: 517201	D142	C151		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
BIN, STATION, SCRAP A/N: 517201	D210	C226		PM: (9) [RULE 405, 2-7-1986]	D323.2

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 4: GRINDING					P20.1
BIN, TILTER, SCRAP, VESTIL, MODEL NO. HBD-6-60 A/N: 517201	D221	C226		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
CONVEYOR, BELT, INSPECTION A/N: 517201	D222	C226		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
CONVEYOR, BELT, TRANSPORT A/N: 517201	D223	C226		PM: (9) [RULE 405, 2-7-1986]	C1.4, D323.2, K48.1
CRUSHER, LUMPBREAKER, GRUENDLER, 18 IN X 24 IN., WITH A 15 H.P. MOTOR A/N: 517201	D224	C143		PM: (9) [RULE 405, 2-7-1986]	D323.2
BIN, STATION, SCRAP A/N: 517201	D225	C226		PM: (9) [RULE 405, 2-7-1986]	D323.2
BAGHOUSE, CAMFIL FARR, MODEL NO. GS10Q, 10 CARTRIDGES, 1 FT 3 IN DIA. X 3 FT 3 IN H., 3250 SQ. FT. TOTAL FILTER AREA, WITH PULSE JET CLEANING SYSTEM, 0.5 H.P. BLOWER A/N: 517203	C226	D141 D210 D221 D222 D223 D225		PM: (9) [RULE 404, 2-7-1986]	A63.1, D322.1, D381.2, E102.1, H23.5, K67.2
Process 6: EXTERNAL COMBUSTION					
BOILER, NATURAL GAS, TEMPELLA KEELER, MODEL CP, WITH FLUE GAS RECIRCULATION, 14.07 MMBTU/HR A/N: 179985	D156		NOX: LARGE SOURCE**	CO: 400 PPMV NATURAL GAS (5) [RULE 1146, 11-17-2000; RULE 1146, 9-5-2008]; CO: 2000 PPMV (5A) [RULE 407, 4-2-1982]; NOX: 30 PPMV NATURAL GAS (3) [RULE 2012, 5-6-2005]; NOX: 30 PPMV NATURAL GAS (4) [RULE 2005, 5-6-2005]; PM: 0.1 GRAINS/SCF (5) [RULE 409, 8-7-1981]	D328.1, E73.1
Process 8: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					

- | | |
|---|---|
| <p>* (1) (1A) (1B) Denotes RECLAIM emission factor
 (3) Denotes RECLAIM concentration limit
 (5) (5A) (5B) Denotes command and control emission limit
 (7) Denotes NSR applicability limit
 (9) See App B for Emission Limits</p> | <p>(2) (2A) (2B) Denotes RECLAIM emission rate
 (4) Denotes BACT emission limit
 (6) Denotes air toxic control rule limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (10) See section J for NESHAP/MACT requirements</p> |
|---|---|

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

Equipment	ID No.	Connected To	RECLAIM Source Type/ Monitoring Unit	Emissions * And Requirements	Conditions
Process 8: R219 EXEMPT EQUIPMENT SUBJECT TO SOURCE-SPECIFIC RULES					
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, PORTABLE, ARCHITECTURAL COATINGS	E169			VOC: (9) [RULE 1113, 11-8-1996; RULE 1113, 7-13-2007; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	K67.1
RULE 219 EXEMPT EQUIPMENT, AIR CONDITIONING UNITS	E170				H23.2
RULE 219 EXEMPT EQUIPMENT, REFRIGERANT RECOVERY AND/OR RECYCLING UNITS,, REFRIGERATION UNITS	E171				H23.2
RULE 219 EXEMPT EQUIPMENT, CLEANING EQUIPMENT, SMALL, UNHEATED, NON-CONVEYORIZED	E172			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.1
RULE 219 EXEMPT EQUIPMENT, LAMINATING EQUIPMENT, LOW USE OR EMISSIONS	E173			VOC: (9) [RULE 1168, 1-7-2005; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.4
RULE 219 EXEMPT EQUIPMENT, COATING EQUIPMENT, LOW USE OR EMISSIONS	E174			VOC: (9) [RULE 1145, 2-14-1997; RULE 1145, 12-3-2004; RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.4
RULE 219 EXEMPT EQUIPMENT, PRINTER, INKJET	E208			VOC: (9) [RULE 1171, 11-7-2003; RULE 1171, 5-1-2009]	H23.4, H23.6
RULE 219 EXEMPT EQUIPMENT, COOLING TOWERS	E209				H23.3

* (1) (1A) (1B) Denotes RECLAIM emission factor
 (2) (2A) (2B) Denotes RECLAIM emission rate
 (3) Denotes RECLAIM concentration limit
 (4) Denotes BACT emission limit
 (5) (5A) (5B) Denotes command and control emission limit
 (6) Denotes air toxic control rule limit
 (7) Denotes NSR applicability limit
 (8) (8A) (8B) Denotes 40 CFR limit (e.g. NSPS, NESHAPS, etc.)
 (9) See App B for Emission Limits
 (10) See section J for NESHAP/MACT requirements

** Refer to section F and G of this permit to determine the monitoring, recordkeeping and reporting requirements for this device.

**FACILITY PERMIT TO OPERATE
ARMSTRONG WORLD INDUSTRIES INC**

SECTION D: DEVICE ID INDEX

**The following sub-section provides an index
to the devices that make up the facility
description sorted by device ID.**

**FACILITY PERMIT TO OPERATE
 ARMSTRONG WORLD INDUSTRIES INC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D1	1	1	0
D2	1	1	0
D3	1	1	0
C4	1	1	0
D6	1	1	0
D7	1	1	0
D11	2	1	0
D12	2	1	0
D13	2	1	0
D14	2	1	0
D15	2	1	0
D16	3	1	0
D17	3	1	0
D18	3	1	0
C19	3	1	0
D28	3	1	0
D29	3	1	0
C30	4	1	0
D31	4	1	0
C32	4	1	0
D33	4	1	0
C34	4	1	0
C35	4	1	0
C36	5	1	0
D37	5	2	0
D38	6	2	0
D39	6	2	0
D40	6	2	0
D41	6	2	0
D42	6	2	0
D43	6	2	0
D44	6	2	0
D45	6	2	0
D46	6	2	0
D47	6	2	0

**FACILITY PERMIT TO OPERATE
 ARMSTRONG WORLD INDUSTRIES INC**

SECTION D: DEVICE ID INDEX

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D48	15	3	0
D49	15	3	0
D50	15	3	0
D51	15	3	0
D52	15	3	0
D53	15	3	0
D54	16	3	0
D55	6	3	0
D56	7	3	0
D57	7	3	0
D58	7	3	0
D59	7	3	0
D60	7	3	0
D61	7	3	0
D62	7	3	0
D63	7	3	0
D64	7	3	0
D65	7	3	0
D66	7	3	0
D67	7	3	0
D68	8	3	0
D69	8	3	0
D72	8	3	0
D73	8	3	0
D74	8	3	0
D75	8	3	0
D76	8	3	0
D77	8	3	0
D78	8	3	0
D79	8	3	0
D80	8	3	0
D81	8	3	0
D82	8	3	0
C83	9	3	0
D84	9	3	0

**FACILITY PERMIT TO OPERATE
 ARMSTRONG WORLD INDUSTRIES INC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D85	9	3	0
D89	9	3	0
D90	9	3	0
D91	9	3	0
D92	9	3	0
C93	9	3	0
D94	9	3	0
D95	10	3	0
D96	10	3	0
D97	10	3	0
D99	10	3	0
D100	10	3	0
D101	10	3	0
D102	10	3	0
D103	10	3	0
D104	11	3	0
D105	11	3	0
D106	11	3	0
D107	11	3	0
D108	11	3	0
D109	11	3	0
D110	11	3	0
D111	11	3	0
D112	11	3	0
D113	11	3	0
D114	11	3	0
D115	12	3	0
D116	12	3	0
D117	12	3	0
D118	6	2	0
D119	12	3	0
D120	6	2	0
D121	12	3	0
D122	12	3	0
D123	12	3	0

**FACILITY PERMIT TO OPERATE
 ARMSTRONG WORLD INDUSTRIES INC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D124	12	3	0
D125	12	3	0
D126	12	3	0
D127	12	3	0
D128	12	3	0
D129	13	3	0
D130	13	3	0
C131	13	3	0
C132	13	3	0
C133	14	3	0
C135	14	3	0
C136	14	3	0
C137	15	3	0
D138	19	4	0
D139	19	4	0
D140	19	4	0
D141	19	4	0
D142	19	4	0
C143	19	4	0
D145	18	4	0
D146	18	4	0
D147	18	4	0
D148	18	4	0
C149	19	4	0
C150	19	4	0
C151	19	4	0
D156	20	6	0
D159	5	1	0
D161	16	3	0
D162	16	3	0
D163	16	3	0
D164	16	3	0
D165	16	3	0
D166	16	3	0
D168	6	2	0

**FACILITY PERMIT TO OPERATE
 ARMSTRONG WORLD INDUSTRIES INC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
E169	21	8	0
E170	21	8	0
E171	21	8	0
E172	21	8	0
E173	21	8	0
E174	21	8	0
D175	5	1	0
D176	5	1	0
D177	5	1	0
D178	6	2	0
D179	16	3	0
D180	16	3	0
D181	16	3	0
D182	16	3	0
D183	16	3	0
D184	17	3	0
D185	17	3	0
D186	17	3	0
D187	17	3	0
D188	17	3	0
D189	17	3	0
D190	17	3	0
D192	17	3	0
D193	17	3	0
D194	4	1	0
D195	18	4	0
D196	17	3	0
D197	17	3	0
D198	17	3	0
D199	5	1	0
D200	5	1	0
D201	5	1	0
D202	5	1	0
C204	5	1	0
D205	18	3	0

**FACILITY PERMIT TO OPERATE
 ARMSTRONG WORLD INDUSTRIES INC
 SECTION D: DEVICE ID INDEX**

Device Index For Section D			
Device ID	Section D Page No.	Process	System
D206	18	3	0
D207	18	3	0
E208	21	8	0
E209	21	8	0
D210	19	4	0
C212	2	1	0
D213	1	1	0
D214	2	1	0
D215	3	1	0
D216	3	1	0
D217	3	1	0
D218	3	1	0
D219	1	1	0
D221	20	4	0
D222	20	4	0
D223	20	4	0
D224	20	4	0
D225	20	4	0
C226	20	4	0
D227	18	3	0
D228	18	3	0

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

FACILITY CONDITIONS

F9.1 Except for open abrasive blasting operations, the operator shall not discharge into the atmosphere from any single source of emissions whatsoever any air contaminant for a period or periods aggregating more than three minutes in any one hour which is:

(a) As dark or darker in shade as that designated No.1 on the Ringelmann Chart, as published by the United States Bureau of Mines; or

(b) Of such opacity as to obscure an observer's view to a degree equal to or greater than does smoke described in subparagraph (a) of this condition.

[RULE 401, 3-2-1984; RULE 401, 11-9-2001]

PROCESS CONDITIONS

P20.1 For the purposes of determining compliance with District Rule 405, solid particulate matter emissions shall be based on the combined emissions from all points of this process.

[RULE 405, 2-7-1986]

[Processes subject to this condition : 4]

DEVICE CONDITIONS

A. Emission Limits

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

A63.1 The operator shall limit emissions from this equipment as follows:

CONTAMINANT	EMISSIONS LIMIT
Visible emissions	Less than or equal to 0 Percent Opacity

[RULE 1155, 12-4-2009]

[Devices subject to this condition : C4, D6, D7, D11, D12, D13, D14, D16, C19, C30, C32, C34, C35, C36, D54, C83, C93, C131, C132, C133, C135, C136, C137, C149, C150, C151, C204, C212, D214, C226]

C. Throughput or Operating Parameter Limits

C1.1 The operator shall limit the material processed to no more than 150000 lbs in any one day.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D6, D7, D11, D13, D14, D213, D214, D219]

C1.2 The operator shall limit the material processed to no more than 75000 lbs in any one day.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D15, D16, D215, D216, D217, D218]

C1.3 The operator shall limit the material processed to no more than 30e+06 lb(s) in any one calendar month.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D17, D18, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, C83, D84, D85, D89, D90, D91, D92, D94, D95, D96, D97, D161, D162, D163, D164, D165, D166, D192, D193, D196, D197, D198]

C1.4 The operator shall limit the material processed to no more than 240 tons in any one day.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D48, D49, D50, D51, D52, D53, D54, D55, D138, D139, D140, D141, D142, D221, D222, D223]

C1.6 The operator shall limit the material processed to no more than 433 ton(s) in any one day.

This limit shall be based on the total combined limit for equipment D47 and D168.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

[Devices subject to this condition : D47, D168]

C1.7 The operator shall limit the material processed to no more than 6e+06 lb(s) in any one month.

[**RULE 1303(b)(2)-Offset, 5-10-1996**; RULE 1303(b)(2)-Offset, 12-6-2002]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D99, D100, D101, D102, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D175, D176, D177, D199, D200, D205, D206, D207, D227, D228]

D. Monitoring/Testing Requirements

D12.1 The operator shall install and maintain a(n) gauge to accurately indicate the differential pressure across the filter.

[**RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002**]

[Devices subject to this condition : C131, C132, C133, C204]

D322.1 The operator shall perform annual inspection of the equipment and filter media for leaks, broken or torn filter media, and improperly installed filter media.

[**RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997**]

[Devices subject to this condition : C4, D6, D7, D11, D12, D13, D14, D16, C19, C30, C32, C34, C35, C36, D54, C83, C131, C132, C133, C135, C136, C137, C149, C150, C151, C204, C212, D214, C226]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a semi-annual basis, at least, unless the equipment did not operate during the entire semi-annual period. The routine semi-annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D1, D50, D51, D52, C93, D159, D194, D195,
D215, D216, D217, D218, D219]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D323.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours.

If any visible emissions (not including condensed water vapor) are detected that last more than three minutes in any one hour, the operator shall verify and certify within 24 hours that the equipment causing the emission and any associated air pollution control equipment are operating normally according to their design and standard procedures and under the same conditions under which compliance was achieved in the past, and either:

- 1). Take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit; or
- 2). Have a CARB-certified smoke reader determine compliance with the opacity standard, using EPA Method 9 or the procedures in the CARB manual "Visible Emission Evaluation", within three business days and report any deviations to AQMD.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions;
- 3). Date and time visible emission was abated; and
- 4). All visible emission observation records by operator or a certified smoke reader.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D2, D3, D15, D17, D18, D28, D29, D31, D33, D37, D38, D39, D40, D41, D42, D43, D44, D45, D46, D47, D48, D49, D53, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D72, D73, D74, D75, D76, D77, D78, D79, D80, D81, D82, D84, D85, D89, D90, D91, D92, D94, D95, D96, D97, D99, D100, D101, D102, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D128, D129, D130, D138, D139, D140, D141, D142, C143, D145, D146, D147, D148, D161, D162, D163, D164, D165, D166, D168, D175, D176, D177, D178, D179, D180, D181, D182, D183, D184, D185, D186, D187, D188, D189, D190, D192, D193, D196, D197, D198, D199, D200, D201, D202, D205, D206, D207, D210, D213, D221, D222, D223, D224, D225, D227, D228]

- D328.1 The operator shall determine compliance with the CO emission limit(s) either: (a) conducting a source test at least once every five years using AQMD Method 100.1 or 10.1; or (b) conducting a test at least annually using a portable analyzer and AQMD-approved test method. The test shall be conducted when the equipment is operating under normal conditions to demonstrate compliance with Rule 1146 emission limit. The operator shall comply with all general testing, reporting, and recordkeeping requirements in Sections E and K of this permit.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : D156]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.1 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on an annual basis, at least, unless the equipment did not operate during the entire annual period. The routine annual inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C4, D6, D7, D11, D12, D13, D14, D16, C35, C36, C83, C150, D214]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

D381.2 The operator shall conduct an inspection for visible emissions from all stacks and other emission points of this equipment whenever there is a public complaint of visible emissions, whenever visible emissions are observed, and on a quarterly basis, at least, unless the equipment did not operate during the entire quarterly period. The routine quarterly inspection shall be conducted while the equipment is in operation and during daylight hours. If any visible emissions (not including condensed water vapor) are detected, the operator shall take corrective action(s) that eliminates the visible emissions within 24 hours and report the visible emissions as a potential deviation in accordance with the reporting requirements in Section K of this permit.

The operator shall keep the records in accordance with the recordkeeping requirements in Section K of this permit and the following records:

- 1). Stack or emission point identification;
- 2). Description of any corrective actions taken to abate visible emissions; and
- 3). Date and time visible emission was abated.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C19, C30, C32, C34, D54, C131, C132, C133, C135, C136, C137, C149, C151, C204, C212, C226]

E. Equipment Operation/Construction Requirements

E73.1 Notwithstanding the requirements of Section E conditions, the operator may, at his discretion, choose not to use flue gas recirculation if any of the following requirement(s) are met:

Exhaust temperature is below 200 Deg. F.

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[RULE 2012, 5-6-2005]

[Devices subject to this condition : D156]

E102.1 The operator shall discharge dust collected in this equipment only into closed containers.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C4, C19, C30, C32, C34, C35, C36, C83, C131, C132, C133, C135, C136, C137, C149, C150, C151, C204, C212, C226]

E184.1 The operator shall thoroughly clean the filters in the filter vents immediately after each load of material is received.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002]

[Devices subject to this condition : D6, D7, D11, D12, D13, D14, C19, D214]

E193.1 The operator shall operate and maintain this equipment according to the following requirements:

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

The baghouse pressure differential across the filter bags shall be maintained between 1" and 6" of water column whenever the equipment it serves is in operation.

The operator shall operate and maintain a pressure differential gauge to measure and indicate the pressure differential across the baghouse filter bags pursuant to the operation and maintenance requirements in 40 CFR Part 64.7. The pressure differential across the filters shall be recorded at least once a day.

Except for bag break-in period after installation of new filter media, a deviation shall be defined as when the pressure differential across the filters is less than 1" of water column or more than 6" of water column occurs during the normal operation of the equipment it serves. A bag break-in period shall not exceed 10 operating days.

Whenever a deviation occurs, the operator shall inspect this equipment to identify the cause of such a deviation, take immediate corrective action to maintain the pressure differential across the filters between 1" and 6" of water column, and keep records of the duration and cause (including unknown cause, if applicable) of the deviation and the corrective actions taken.

All deviations shall be reported to the AQMD pursuant to the requirements specified in 40 CFR Part 64.9 and Condition Nos. 22 and 23 in Section K of this permit. The monitoring report shall include the total operating time of this equipment and the total accumulated duration of all deviations for each semi-annual reporting period specified in Condition No. 23 in Section K of this permit.

The operator shall submit an application with an Quality Improvement Plan (QIP) in accordance with 40 CFR Part 64.8 to the AQMD if more than six deviations occur in any semi-annual reporting period specified in Condition No. 23 in Section K of this permit. The required QIP shall be submitted to the AQMD within 90 calendar days after the due date for the semi-annual monitoring report.

The operator shall inspect and maintain all components of this equipment on an annual basis in accordance with the manufacturer's specifications.

The operator shall keep adequate records in a format that is acceptable to the AQMD

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

to demonstrate compliance with all applicable requirements specified in this condition and 40 CFR Part 64.9 for a minimum of five years.

[RULE 1303(a)(1)-BACT, 5-10-1996; RULE 1303(a)(1)-BACT, 12-6-2002; RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997; 40CFR Part 64, 10-22-1997]

[Devices subject to this condition : C131, C132, C133, C135, C136, C137]

H. Applicable Rules

H23.1 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	1122

[RULE 1122, 10-1-2004; RULE 1122, 5-1-2009]

[Devices subject to this condition : E172]

H23.2 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Refrigerants	District Rule	1415
Refrigerants	40CFR82, SUBPART	F

[RULE 1415, 10-14-1994; 40CFR 82 Subpart F, 5-14-1993]

[Devices subject to this condition : E170, E171]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

H23.3 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
Chromium, Hexavalent	District Rule	1404

[RULE 1404, 4-6-1990]

[Devices subject to this condition : E209]

H23.4 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	109

[RULE 109, 5-2-2003]

[Devices subject to this condition : E173, E174, E208]

H23.5 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
PM	District Rule	1155

[RULE 1155, 12-4-2009]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : C4, D6, D7, D12, D13, D14, D16, C19, C30, C32, C34, C35, C36, D54, C83, C93, C131, C132, C133, C135, C136, C137, C149, C150, C151, C204, C212, D214, C226]

H23.6 This equipment is subject to the applicable requirements of the following rules or regulations:

Contaminant	Rule	Rule/Subpart
VOC	District Rule	442

[RULE 442, 12-15-2000]

[Devices subject to this condition : E208]

K. Record Keeping/Reporting

K48.1 The operator shall maintain records in a manner approved by the District, to demonstrate compliance with the following condition number(s):

- Condition Number C 1- 1
- Condition Number C 1- 2
- Condition Number C 1- 3
- Condition Number C 1- 4
- Condition Number C 1- 6
- Condition Number C 1- 7

[RULE 1303(b)(2)-Offset, 5-10-1996; RULE 1303(b)(2)-Offset, 12-6-2002]

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

[Devices subject to this condition : D6, D7, D11, D12, D13, D14, D15, D16, D17, D18, D47, D48, D49, D50, D51, D52, D53, D54, D55, D56, D57, D58, D59, D60, D61, D62, D63, D64, D65, D66, D67, D68, D69, D72, D73, D74, D75, D76, D77, D79, D80, D81, D82, C83, D84, D85, D89, D90, D91, D92, D94, D95, D96, D97, D99, D100, D101, D102, D103, D104, D105, D106, D107, D108, D109, D110, D111, D112, D113, D114, D115, D116, D117, D118, D119, D120, D121, D122, D123, D124, D125, D126, D127, D138, D139, D140, D141, D142, D161, D162, D163, D164, D165, D166, D168, D175, D176, D177, D192, D193, D196, D197, D198, D199, D200, D205, D206, D207, D213, D214, D215, D216, D217, D218, D219, D221, D222, D223, D227, D228]

K67.1 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

For architectural applications where no thinners, reducers, or other VOC containing materials are added, maintain semi-annual records for all coating consisting of (a) coating type, (b) VOC content as supplied in grams per liter (g/l) of materials for low-solids coatings, (c) VOC content as supplied in g/l of coating, less water and exempt solvent, for other coatings.

For architectural applications where thinners, reducers, or other VOC containing materials are added, maintain daily records for each coating consisting of (a) coating type, (b) VOC content as applied in grams per liter (g/l) of materials used for low-solids coatings, (c) VOC content as applied in g/l of coating, less water and exempt solvent, for other coatings.

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : E169]

K67.2 The operator shall keep records, in a manner approved by the District, for the following parameter(s) or item(s):

FACILITY PERMIT TO OPERATE ARMSTRONG WORLD INDUSTRIES INC

SECTION D: FACILITY DESCRIPTION AND EQUIPMENT SPECIFIC CONDITIONS

The operator shall comply with the terms and conditions set forth below:

the date, time and description of any maintenance or repairs resulting from the inspection

the name of the person performing the inspection and/or maintenance of the filter media

the date, time and results of the inspection

[RULE 3004(a)(4)-Periodic Monitoring, 12-12-1997]

[Devices subject to this condition : C4, D6, D7, D11, D12, D13, D14, D16, C19, C30, C32, C34, C35, C36, D54, C83, C131, C132, C133, C135, C136, C137, C149, C150, C151, C204, C212, D214, C226]